

Note on**Maharashtra Power System Overview, under frequency operation, Load shedding (Planned and Distress) for the month of September-2017.****Maharashtra system Overview:-**

The overview of Maharashtra system operation for the month of September-2017 with respect to availability and shortfall is elaborated as under.

- The power supply position for **STATE** in September -2017 are given below: -

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	20069 MW (with Load shedding 169 MW)	07.09.2017	16:00 Hrs
2	Min. Demand	12872 MW	21.09.2017	04:00 Hrs
3	Max. Demand Catered	19900 MW	07.09.2017	16:00 Hrs
4	Energy Catered	11747 Mus		
5	Max. Energy Catered	436 Mus	7.09.2017	
6	Avg. Energy Catered	392 Mus		

- The power supply position for **MSEDCL** in September-2017 are given below :-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	16912 MW (with Load shedding 169 MW)	07.09.2017	16:00 Hrs
2	Min. Demand	11278 MW	21.09.2017	04:00 Hrs
3	Max. Demand Catered	16743 MW	07.09.2017	16:00 Hrs
4	Energy Catered	9940 Mus		
5	Max. Energy Catered	373 Mus	7.09.2017	
6	Avg. Energy Catered	331 Mus		

- The power supply position for **Mumbai system** in September-2017 are given below:-

Sr No.	Particulars	Recorded Demand/Requirement	Date	Time
1	Max. Demand	3481 MW	12.09.2017	16:00 Hrs
2	Min. Demand	1594 MW	21.09.2017	04:00 Hrs
4	Energy Catered	1808 Mus		
5	Max. Energy Catered	69 Mus	12.09.2017	
6	Avg. Energy Catered	60.3 Mus		

Load shedding in MSEDCL area :

- Revised Feeder wise planned load shedding protocol in MSEDCL, based on MERC Order in Case No.41 of 2012 dt.26.11.2012, is implemented w.e.f. 16/01/2013 by MSEDCL as per circular No.46 Dated 14/01/2013. The hourly load relief quantum is submitted at the end of the day, daily, by LM cell of MSEDCL, Kalwa.
 - Max. load shedding was recorded as 1041 MW and Min. load shedding was recorded as 0 MW. Average load shedding quantum for the month was 118 MW.
 - Planned load shedding for load relief is carried out in MSEDCL area to mitigate the availability in real time if required. AG-LM load management scheme is revised as per the new load shedding circular w.e.f. 17.09.2017 vide MSEDCL letter no. ED-I/Ag Time Change/22352 dt, 15.09.2017, 3 phase supply to AG loads will be 8/8 Hrs. w.e.f. 17.09.2017.
 - There was no distress load shedding due to shortfall of supply during the month.
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Other Highlights of Maharashtra System in September-17.

- The RGPPL Power is scheduled to Railways only.
 - 7.569 TMC of Koyna water was utilized for September-2017.
 - Wind Generation for the month was 332 Mus. Average wind generation was 461 MW/hour.
 - The average grid frequency for the month was 49.97 Hz. The Instantaneous Maximum frequency was 50.31 Hz and Minimum frequency was 49.61 Hz.
 - There was no instance of under frequency operation during the month.
 - MSPGCL Thermal actual generation was as high as 5752 MW (hourly max) on 08/09/2017 at 09:00 hrs.
 - MSPGCL Thermal actual generation was as low as 3448 MW (hourly min) on 29/09/2017 at 24:00 hrs.
 - Max. Voltage at 765KV Substation was recorded at 765KV Akola substation i.e 792 KV and Min voltage was recorded at 765KV Tirora substation i.e 749 KV
 - Max. Voltage at MSETCL 400 kV Substation was recorded at 400KV Nanded i.e 439 kV and Min voltage was recorded at 400KV Kharghar i.e 391 kV
 - There was no planned load shedding in Mumbai area (i.e. BEST, R-infra-D and TPC-D) during the month.
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